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FIG. 1

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FIG. 2A

11-1
11B
11A
11C

FIG. 2B

11-2
11B
11A
11D

FIG. 3A

8
7
11B
11C
11A

FIG. 3B

8
7
11B
11C
11A

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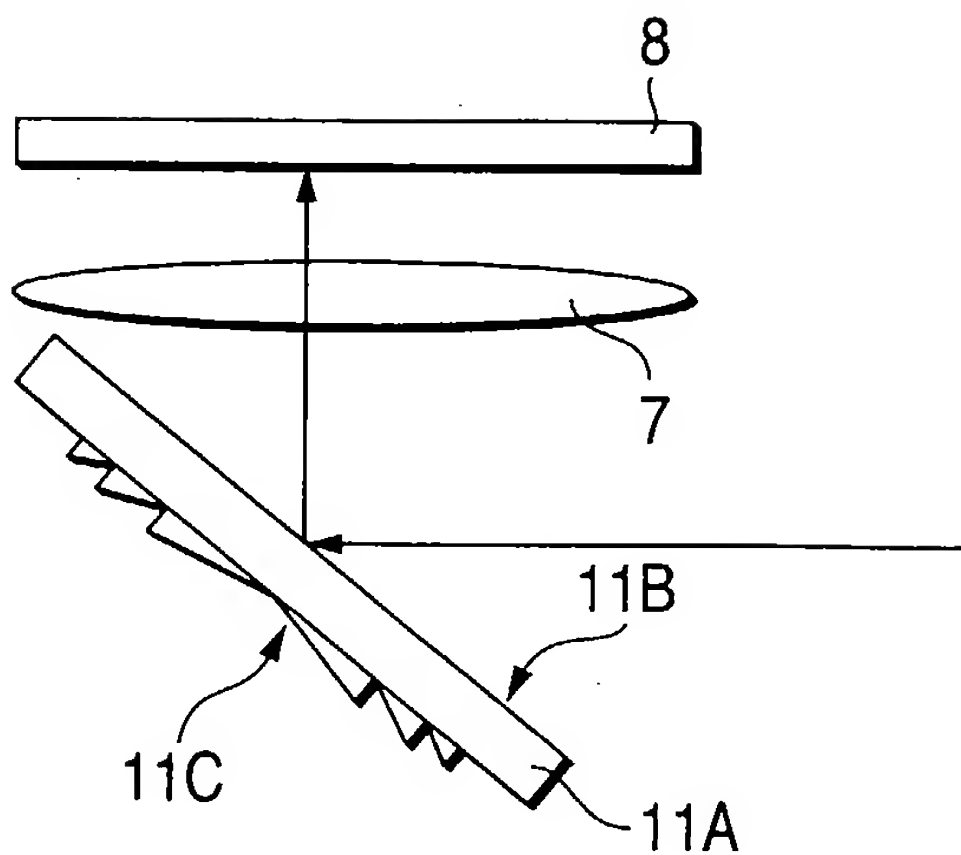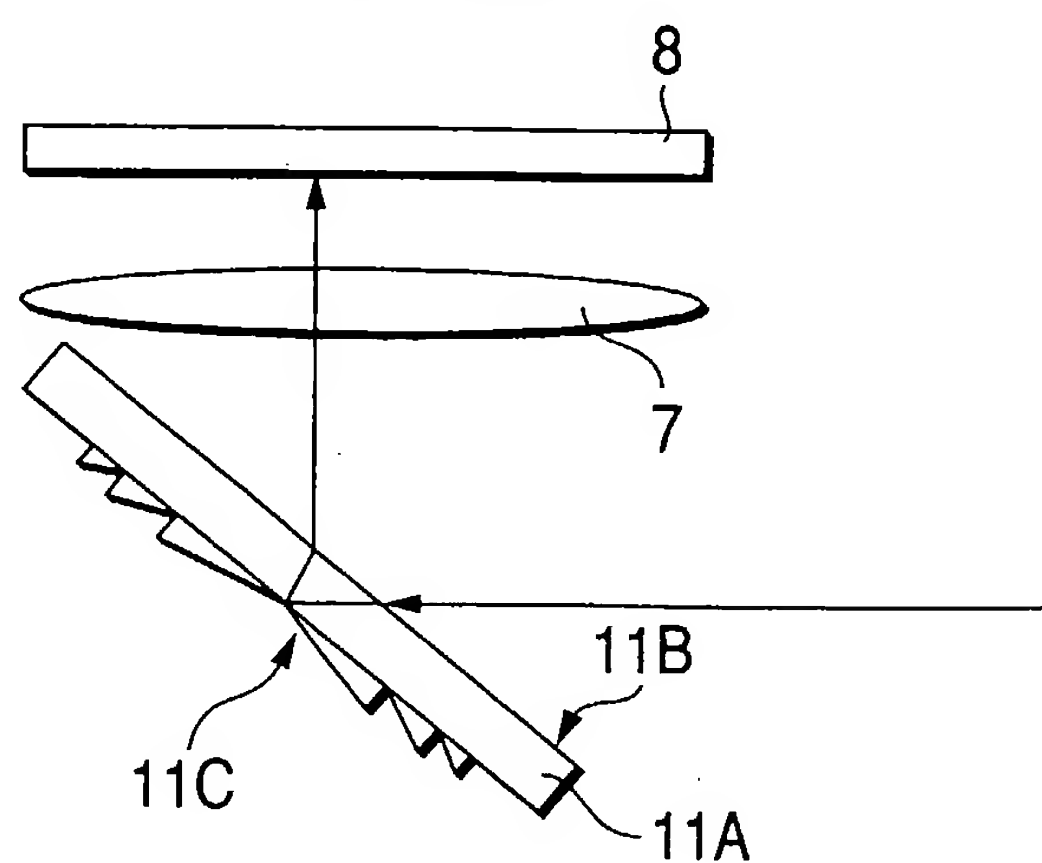
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FIG .4
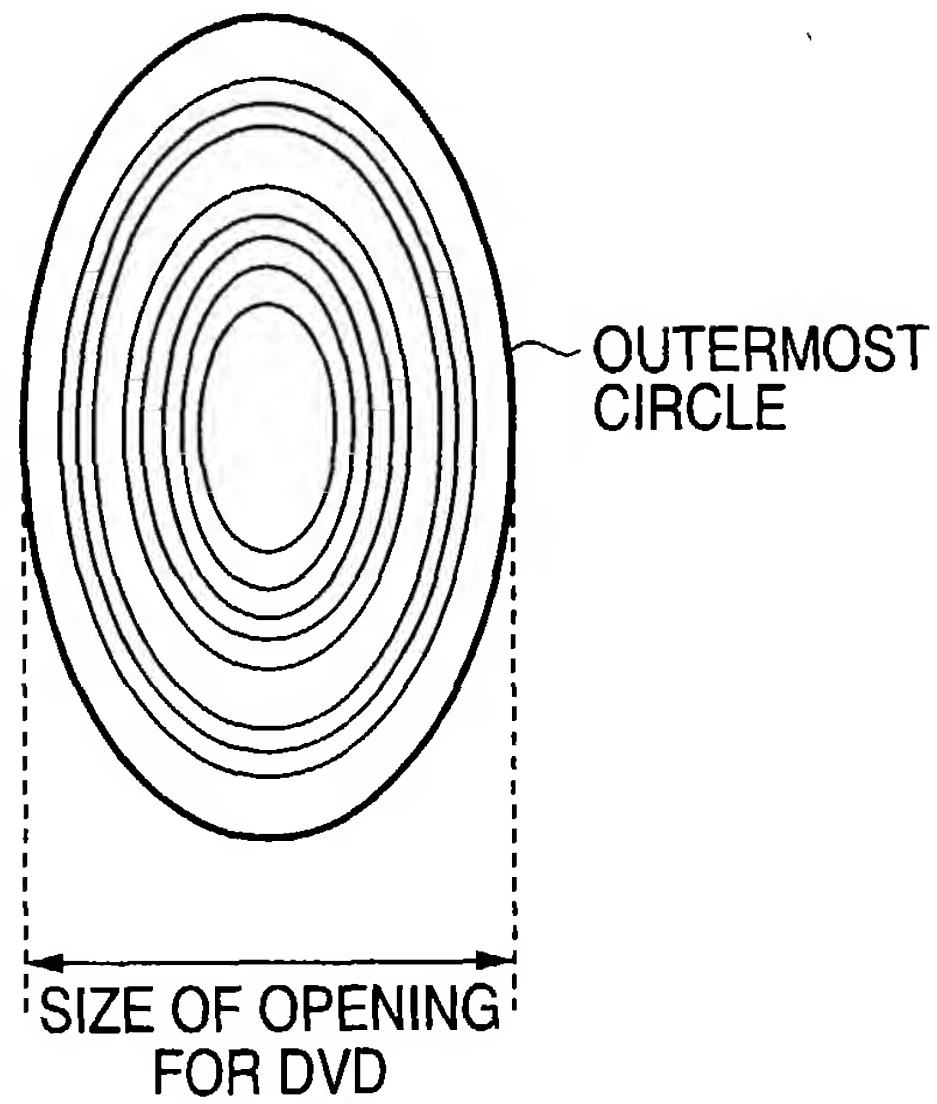
OUTERMOST
CIRCLE

SIZE OF OPENING
FOR DVD

FIG. 5

PHASE FUNCTION

$$\phi\,(x, y) = \sum_{i=1}^{n} \phi i$$

WHERE

$$\phi i = \frac{2\pi}{\lambda 0}\,(DFi)\,x^{j}y^{k}$$

$$i = \frac{1}{2}[(j + k)^{2} + j + 3k]$$

(i, j AND k ARE INTEGERS NOT LESS THAN 1)

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FIG. 6

FIG. 7

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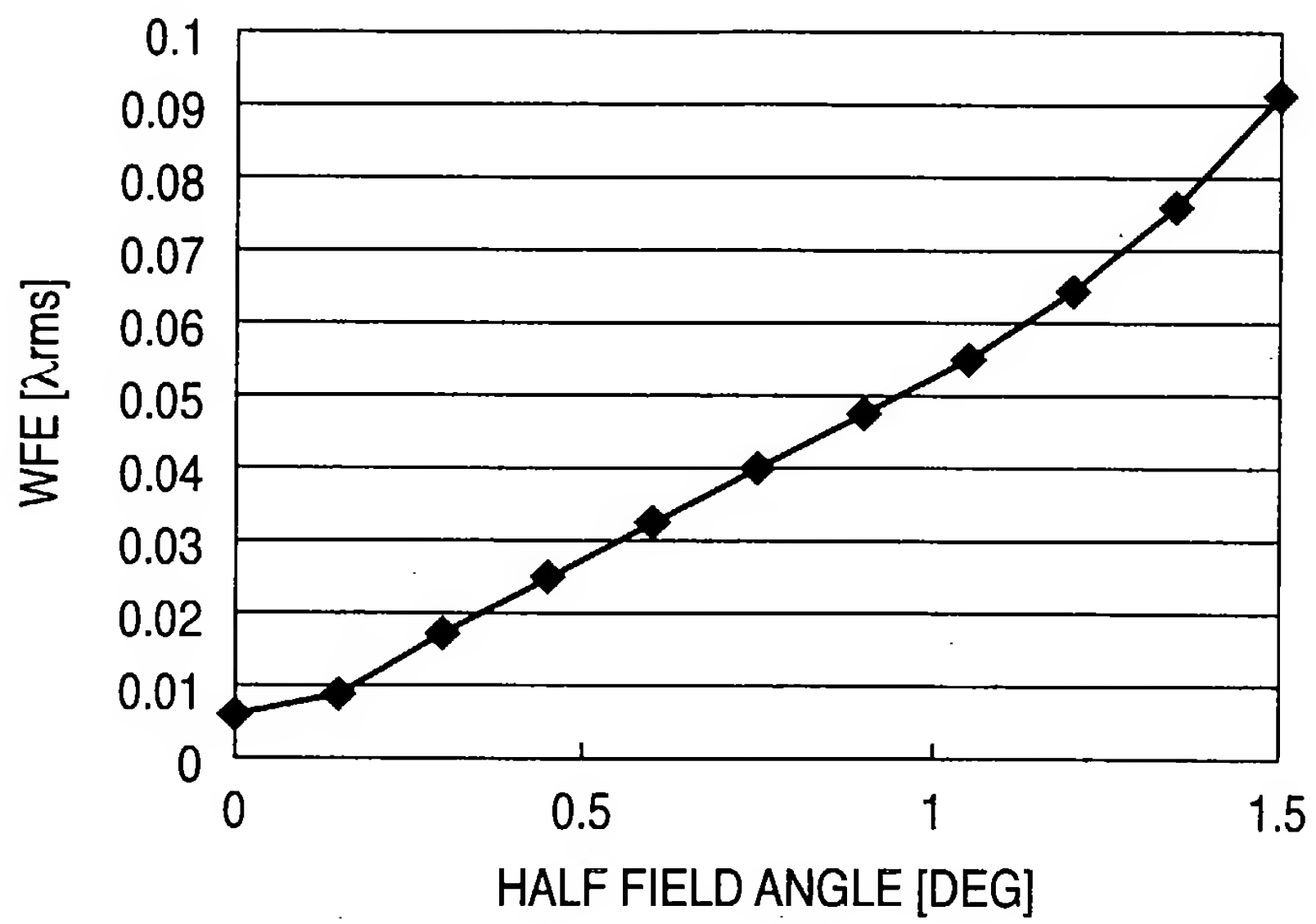Darryl Mexic 202-663-7909
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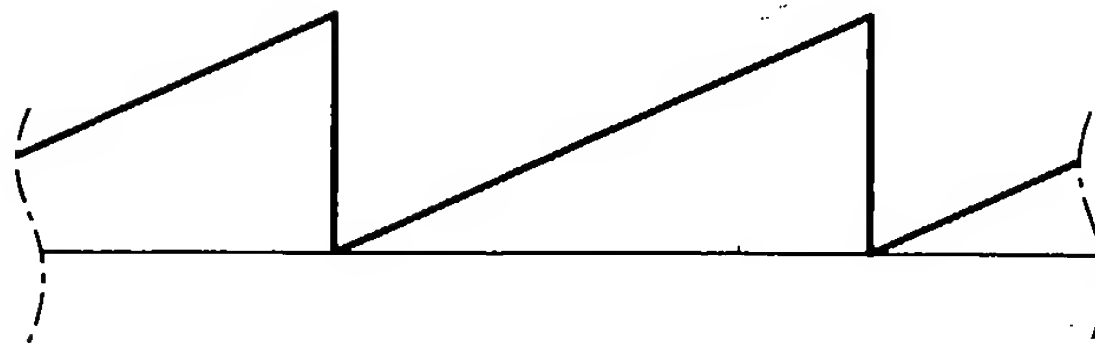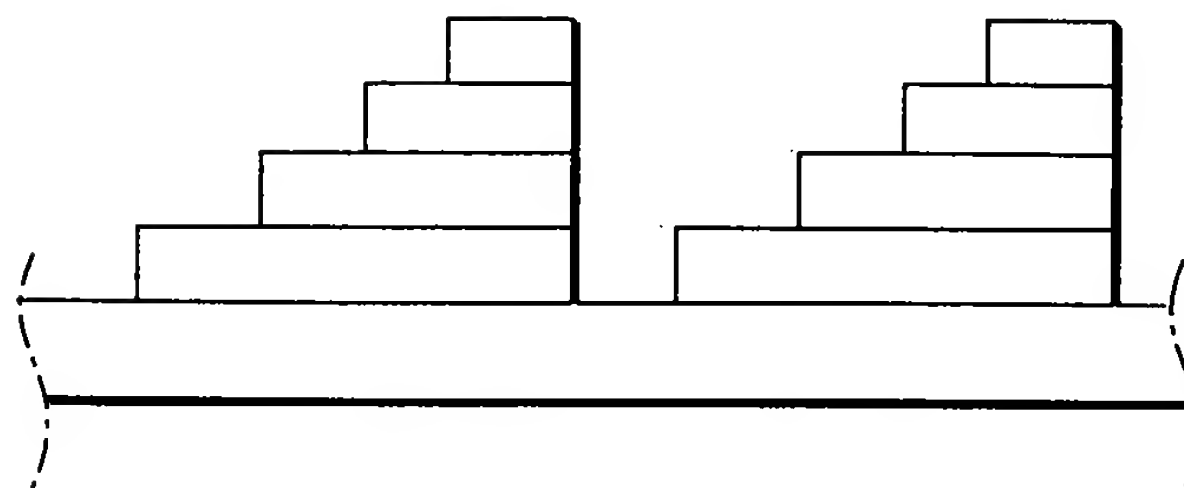
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FIG. 8

FIG. 9

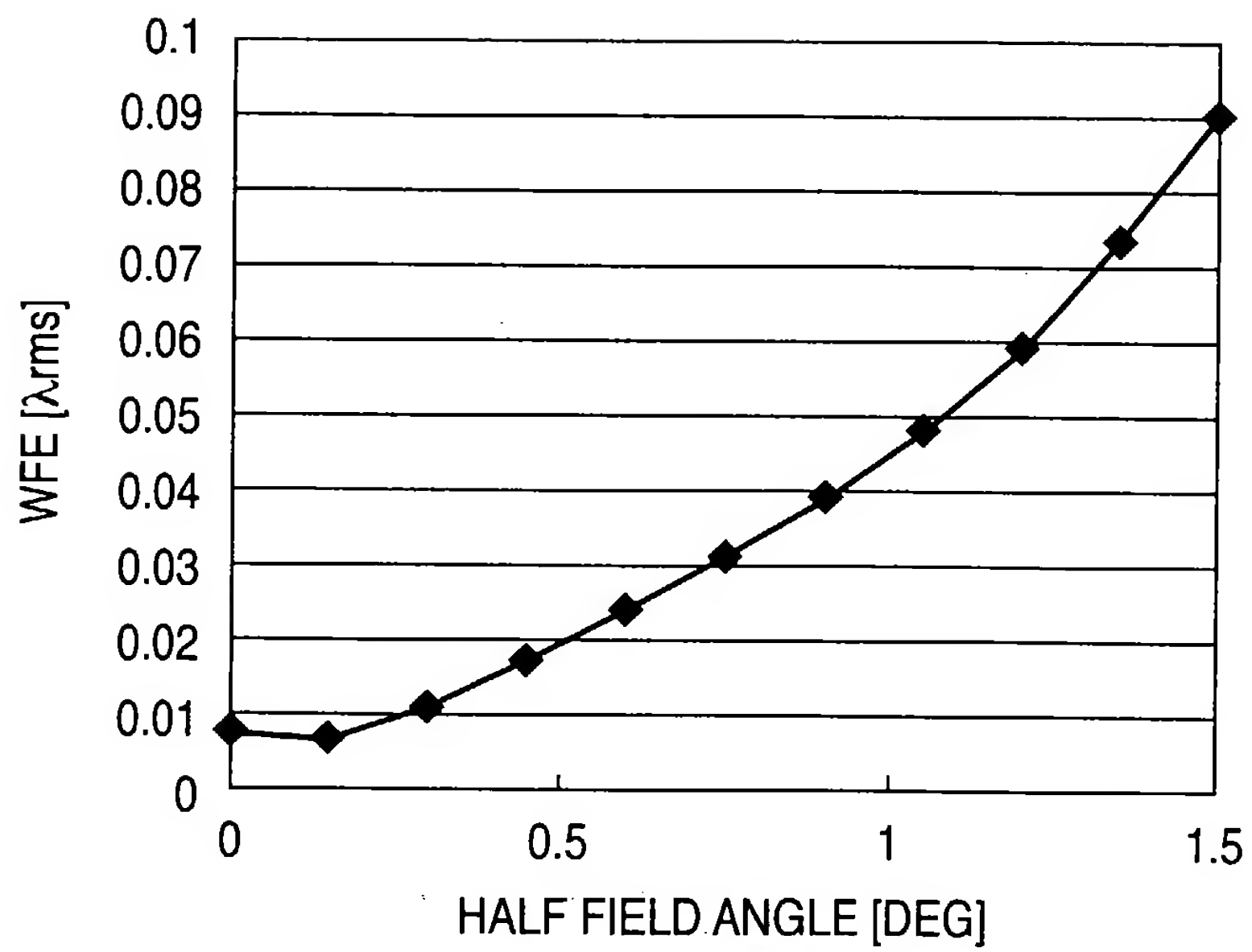FORMULA OF ASPHERICAL FACE

$$Z = \sum_{i=1}^{n} Z_i$$

WHERE

$$Z_i = (as_i)\, x^j y^k$$

$$i = \frac{1}{2}[(j+k)^2 + j + 3k]$$
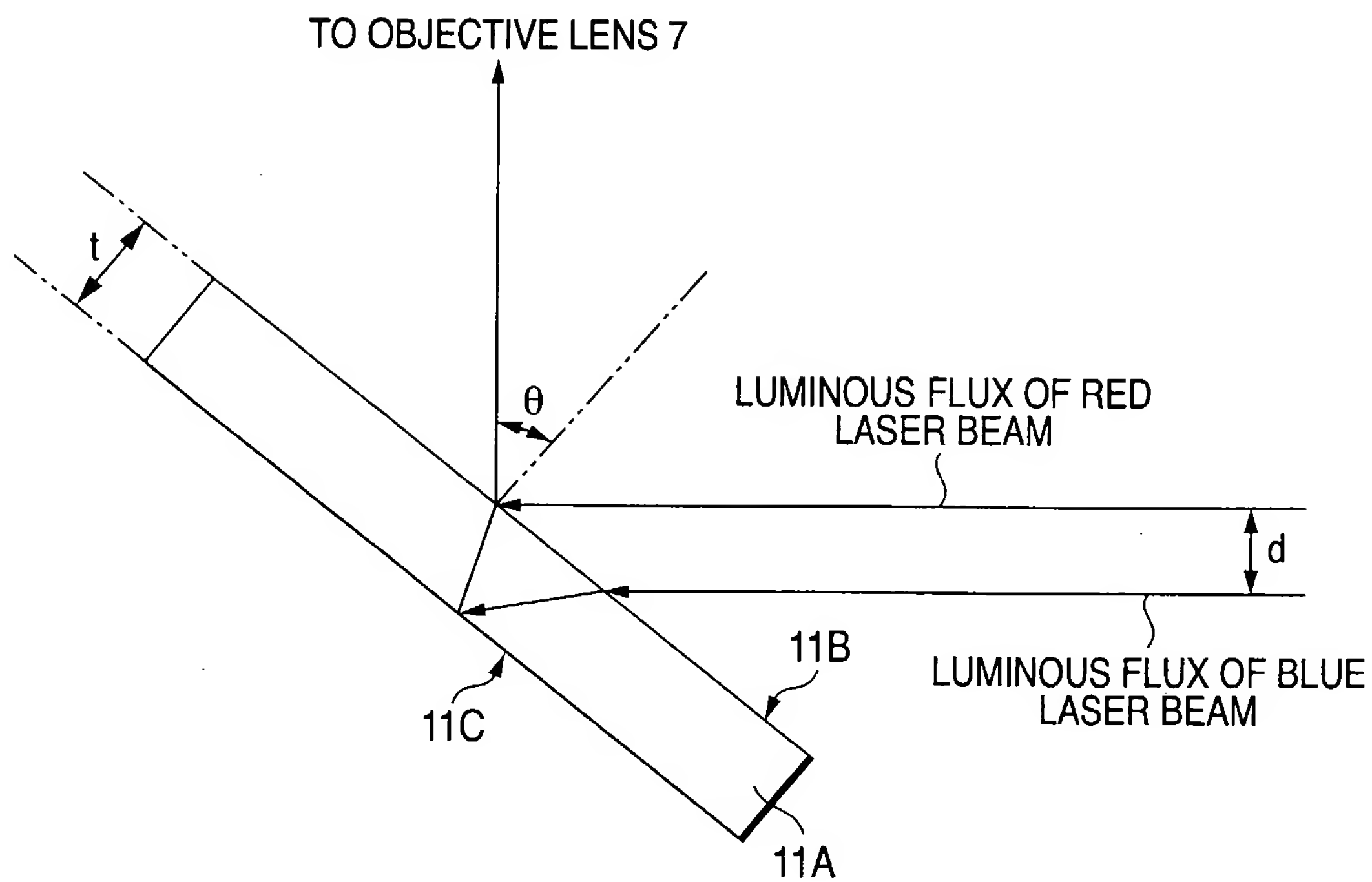
(i, j AND k ARE INTEGERS NOT LESS THAN 1)

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FIG. 10

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FIG. 11

TO OBJECTIVE LENS 7

θ

t

LUMINOUS FLUX OF RED
LASER BEAM

d

11B

11C

LUMINOUS FLUX OF BLUE
LASER BEAM

11A

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FIG. 12

1A

8

RECORDING LAYER

LIGHT
TRANSMITTING
LAYER

2A

7

11B

4

2C

11C

11A

6

5

3

9

10

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FIG .13A

FIG .13B

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FIG. 14

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FIG.15